

TROJAN, S.; JILEK, L.

Effect of surgical damage to the brain on the survival of spinal reflexes after decapitation during the course of ontogenesis in rats. Sborn. lek. 66 no. 3:70-74 F'64.

1. Fyziologicky ustav fakulty vseobecneho lekarstvi University Karlovy v Praze; prednosta: prof.dr. F.Karasek, DrSc.

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TROJAN, S.; JILEK, L.

Differences in influencing the course of anoxia and hypoxia of the central nervous system in ontogenesis. Sborn. lek. 64 no.10:304-310 0 '62.

1. Fyziologicky ustav fakulty vseobecneho lekarstvi University Karlovy v Praze, prednosta prof. dr. Fr. Karasek, DrSc.  
(ANOXIA) (BRAIN) (AGING) (CHLORPROMAZINE)  
(PENTOBARBITAL) (HYPOGLYCEMIA)

JILEK, L.; TROJAN, S.

The effect of chlorpromazine and pentobarbital on the survival of spinal reflexes and activity of the respiration center in rats decapitation in the course of ontogenesis. Sborn. lek. 63 no.9: 277-284 S '61.

1. Fyziologicky ustav fakulty vseobecneho lekarstva University Karlovy v Praze, prednosta prof. Fr. Karasek.  
(CHLORPROMAZINE pharmacol.) (PENTOBARBITAL pharmacol.)  
(SPINAL CORD pharmacol.) (MEDULLA OBLONGATA pharmacol.)  
(AGING physiol.)

TRAVNICKOVA, E.; MOUREK, J.; TROJAN, S.

The effect of repeated blood losses on resistance to nitrogen and  
stagnation anoxia during postnatal development of the rat. Physiol.  
bohemoslov. 11 no.3:231-235 '62.

1. Institute of Physiology, Faculty of General Medicine, Charles Uni-  
versity, Prague.

(HEMORRHAGE experimental) (NITROGEN pharmacology)  
(ANOXIA experimental)

JILEK, L.; TROJAN, S.

Changes in the resistance against acceleration stress after intervention on the central nervous system in ontogenesis in rats.  
Sborn. lek. 44 no.2:57-60 F '62.

1. Fyziologicky ustav fakulty vseobecneho lekarstvi University  
Karlovy v Praze, prednosta prof. MUDr. F. Karasek.  
(CENTRAL NERVOUS SYSTEM physiology) (ACCELERATION)

JILEK, L.; TROJAN, S.

Effect of the resistance to positive acceleration in rats. Cesk.  
fysiol. 9 no.1:20-21 Ja 60.

1. Fyziologicky ustav fak. vseob. lek. KU, Praha.  
(ACCELERATION)

TROJAN, S.; JILAK, L.

Changes in the resistance of the cerebral cortex and cardiac and respiratory frequency during nitrogen, oxygen, and carbon dioxide respiration during rat ontogenesis. Cesk. fysiol. 9 no.1:60-61  
Ja 60.

1. Fysiologicky ustav lek. fak. KU, Praha.  
(CEREBRAL CORTEX, physiol.)  
(HEART physiol.)  
(RESPIRATION physiol.)  
(NITROGEN)  
(OXYGEN)  
(CARBON DIOXIDE)

JILEK, L.; TROJAN, S.

Studies on the development of regulation of cerebral circulation. Cesk. fysiol. 7 no.5:487-488 Sept 58.

1. Fysiologicky ustav fak. vseob. lek. XU, Praha.

(BRAIN, blood supply,

age factor in develop. of cerebral circ., eff. of body temperature (Cz))

(AGING, effects,

on brain circ. regulation, body temperature factor (Cz))

(BODY TEMPERATURE, physiol.

in regulation of cerebral circ., age factor (Cz))

KRULICH, L.; JILEK, L.; TROJAN, S.

The effect of oligaemia on the content of glycogen and lactic acid  
in the brain of the rat during ontogeny. Physiol. Bohemoslov. 11  
no.1:58-63 '62.

1. Institute of Physiology, Faculty of General Medicine, Charles Uni-  
versity, Prague.

(GLYCOGEN metab) (LACTATES metab) (BRAIN metab)  
(AGING) (BRAIN blood supply)

TROJAN, S.; JILEK, L.

The effect of monoiodacetic acid on resistance to stagnant anoxia during development of the rat. Physiol. Bohemoslov. 11 no.2:142-148 '62.

1. Institute of Physiology, Faculty of General Medicine, Charles University, Prague.

(ANOXIA experimental) (CARBOHYDRATES metabolism)  
(ICDOACETATES pharmacology)

TROJAN, St.; JILEK, L.

Effect of a malonate and of moniodoacetic acid on the survival  
of spinal reflexes and activities of the respiratory center in  
decapitated rats during the course of entogenesis. Sborn.lek.62  
no.12:350-357 D '60.

1. Fyziologicky ustav fakulty vseobecneho lekarstvi University  
Karlovych v Praze, prednosta prof.dr. Fr. Karasek.

(MALONATES pharmacol)

(IODOACETATES pharmacol)

(SPINAL CORD pharmacol)

(RESPIRATION physiol)

TROJAN, S.; MOUREK, J.

Effect of sodium malonate on nervous system activity in rats  
during the course of ontogenesis. Sborn.lek.63 no.2:54-63 F '61.

1. Fyziologicky ustav fakulty vseobecneho lekarstvi University  
Karlovych v Praze, prednosta prof.dr. Fr.Karasek.  
(MALONATES pharmacol)  
(REFLEX CONDITIONED pharmacol)

JILEK, L.; TROJAN, S.

Sequelae of elimination of rostral segments of the brain during  
the course of ontogenesis in rats. Sborn. lek. 65 no.8/9:  
261-267 Ag '63.

1. Fyziologicky ustav fakulty vseobecneho lekarstvi University  
Karlovych v Praze, prednosta prof. dr. F. Karasek, DrSc.  
(AGING) (CORPUS CALLOSUM)  
(CEREBRAL VENTRICLES) (CAUDATE NUCLEUS)  
(BRAIN) (NEUROSURGERY) (CEREBRAL CORTEX)  
(ANIMALS, NEWBORN)

JILEK, L.; TROJAN, S.

Effect of sodium malonate and monoiodacetic acid on the resistance of rats to oligemia of the central nervous system during the course of ontogenesis. Sborn. lek. 65 no.8/9: 248-252 Ag '63.

1. Fyziologicky ustav fakulty vseobecneho lekarstvi University  
Karlovych v Praze, prednosta prof. dr. F. Karasek, DrSc.  
(MALONATES) (IODOACETATES)  
(CAROTID ARTERIES) (CEREBRAL ANOXIA)  
(CEREBROVASCULAR DISORDERS) (AGING)  
(CENTRAL NERVOUS SYSTEM)  
(ADAPTATION, PHYSIOLOGICAL)  
(ANIMALS, NEWBORN)

~~TROJAN~~ TROJAN, V.

CZECHOSLOVAKIA / General and Specialized Zoology.  
Insects. Insect and Mite Pests.

P

Abs Jour : Ref Zhur - Biol., No 10, 1958, No 44769

Author : Trojan, V.

Inst : Not given

Title : The Cutworm Moth Characis Graminis - An Extre-  
mely Serious Pest in Czechoslovakian Meadows.

Orig Pub : Za vysokou urodu, 1957, 5, No. 14, 327-328.

Abstract : No abstract given

Card 1/1

14

TROJAN, Vladimir

Tank car for bulk transportation of malt. Kvasny prum 11  
no.2:39-41 F '65.

1. Research Institute of Brewing and Malting Industry, Prague.  
Submitted August 29, 1964.

TROJAN, Z.

A mechanized line for the manufacture of PAB 2s concrete ties. p. 433.  
(STAVIVO, Vol. 34, No. 12, Dec 1956, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 12, Dec 1957. Uncl.

TROJAN, Z.

TROJAN, Z. Mechanized production line for manufacturing ceiling 14 cm. high. p. 47

Vol. 34, no. 2, Feb. 1956

STAVIVO

TECHNOLOGY

Praha, Czechoslovakia

So: East European Accession Vol. 6, no. 2, 1957

TROJANEK, F.

Economic questions arising in protection against corrosion. p.2.

CZECHOSLOVAK HEAVY INDUSTRY. (Ceskoslovenska obchodni komora) Praha,  
Czechošlovakia. No.7, 1959.

Monthly List of East European Accessions (EEAI) LC, Vol.9, no.1, Jan.1960.

Uncl.

TROJANEK, F.

Technical-economic standards in construction and installation activities.

P. 336. (ENERGETIKA.) (Praha, Czechoslovakia) Vol. 7, No. 6, June 1957

SO: Monthly Index of East European Accession (EEAI) LC. Vol. 7, No. 5, May 1958

TRICHLIN, F.

Status and development of surface treatment of parts. P. 245.

SC: East European Accessions List, Vol. 3, No. 9, Sept. 1954, Lib. of Congress

TROJANEK, F.

Status and Development of Surface Treatment of Parts." p. 245, Praha, Vol. 2, no. 6,  
June 1954.

SO: East European Accessions List, Vol. 3, No. 9, September 1954, Lib. of Congress

TROJANEK, J.; STROUF, O.; BLAHA, K.; DOLEJS, L.; HANUS, V.

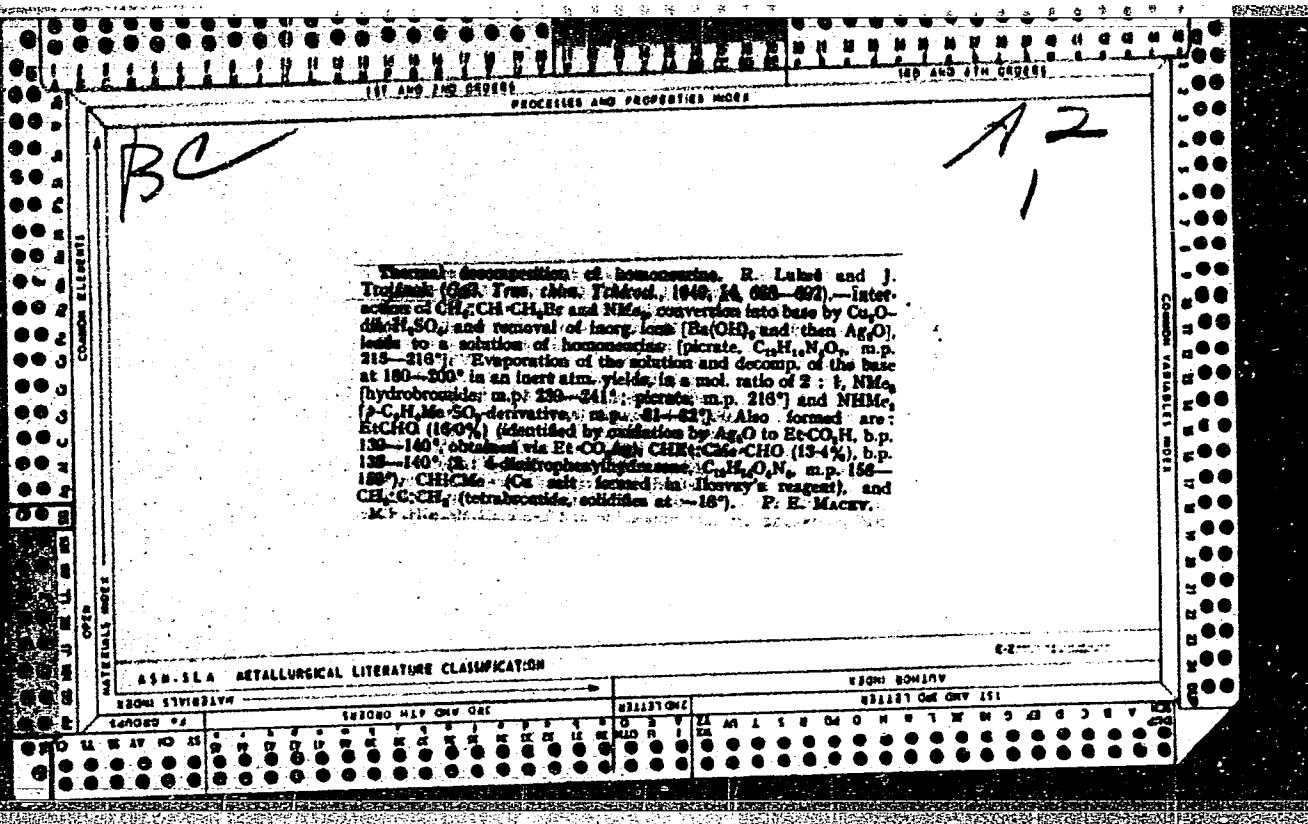
On alkaloids. Pt. 12. Coll Cz chem 29 no.8:1904-1912 Ag '64.

1. Research Institute for Natural Drugs, Prague, Institute of  
Organic Chemistry and Biochemistry, and Institute of Physical  
Chemistry, Czechoslovak Academy of Sciences, Prague.

MOZA, B.K.; TROJANEK, J.; HANUS, V.; DOLEJS, L.

On alkaloids. Pt. 13. Coll Cz chem 29 no.8:1913-1921 Ag '64.

1. Research Institute for Natural Drugs, Prague, Institute of Physical Chemistry, and Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Sciences, Prague.



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LUKES, R.; TROJANEK, J.

Hoffmann decomposition of quaternary bases and salts by unsaturated alkyles. Part 3. 1,1-dimethyl-pyrrolinium-hydroxide [in German with summary in Russian]. Sbor.Chekh.khim.rab. 18 no.4:454-459 Ag '53.  
(MIRA 7:6)

1. Institut obshchey organicheskoy khimii Prazhskogo Politekhnicheskogo instituta, Praga. (Dimethyl-pyrrolinium-hydroxide)

LUKES, R.; TROJANEK, J.

Hoffmann decomposition of quaternary bases and salts by unsaturated alkyles. Part 4. Reduction of 1-methyl-pyrrole [in German with summary in Russian]. Sbor.Chekh.khim.rab. 18 no.5:648-653 O '53. (MLRA 7:6)

1. Institut obshchey organicheskoy khimii Prashskogo Politekhnicheskogo instituta. (Methyl pyrrole) (Reduction, Chemical)

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**APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756720007-6"**

TROJANEK, JAN

Synthesy alkaloidu za fysiologickych podminek. Milosloav Ferles (a) Karel Blaha. Alkaloidy s jadrem pyrrolicedinovym (1 vyd) Praha Nakl. Ceskoslovenske akademie ved, 1954. 81 p. (Ceskoslovenska akademie ved. Mala kniznice chemichvch listu. Sekce chemicka, sv. 2) (Syntheses of alkaloids under physiological conditions. Miloslav Ferles, Karel Blaha; Alkaloids with a pyrrolidine nucleus. 1st ed. bibl. tables)

SOURCE: East European Accessions List (EEAL) Library of Congress. Vol. 5, No. 1, January, 1956.

**"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756720007-6**

**APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756720007-6"**

TROJANEK, J.; HLANA, K.; LUKES, R.

Hydrogenation of hydroxbenzoic acids, p. 717.

CHEMICKE LISTY (Ceskoslovenska akademie ved. Ceskoslovenska spotlcnost chemicks) Praha, Czechoslovakia. Vol. 49, no. 4, May 1955.

*Higher School of Chem. Tech.*

Monthly List of East European Accessions (EEAI), LC, Vol. 9, no. 1, Jan. 1960

Uncle.

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TROJANEK, J.

CZECHOSLOVAKIA/Organic Chemistry. Synthetic Organic Chemistry. G-2

Abs Jour: Referat Zhur-Khimiya, No 4, 1958, 11332.

Author : Hermanek, S. and Trojanek, J.

Inst : Synthesis of Trans- $\Delta$  6,7-Octahydroisoquinoline

Title : Orig Pub: Chem Listy, 51, No 3, 539-542 (1957) (in Czech)

Abstract: 350 gms of the Na salt of the ethyl ester of dicarbethoxy-glutaconic acid (I-ester) are shaken 20 hrs with 350 ml conc HCl and 1.5 liter water; the 272 gms of I which are obtained are refluxed 3-5 hrs with 300 ml water, 300 ml alcohol, and 600 ml conc HCl; the solution is evaporated to dryness, the water is removed by acetotropic distillation, and the acid is esterified by heating (10 hrs, ~100°) with 300 ml CH<sub>3</sub>OH and 7 ml H<sub>2</sub>SO<sub>4</sub> in 700 ml dichloroethane: the methyl ester of glutaconic acid (II) is obtained,

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CZECHOSLOVAKIA/Organic Chemistry. Synthetic Organic Chemistry. G-2

Abs Jour: Referat Zhur-Khimiya, No 4, 1958, 11332.

yield 58%, bp 104-107°/8mm. 200 ml butadiene, 100 gms I, and 0.25 gm picric acid are heated for 5 hrs at 140-150° (40 atm); distillation of the reaction mixture gives the dimethyl ester of trans- Δ<sup>4,5</sup>-tetrahydrohomophthalic acid (III-acid), yield 33%, bp 103°/0.4 mm, n<sup>20</sup>D 1.4696. When 66.5 gms of the ester of III are refluxed for 2 hrs with 500 ml 10% NaOH III is obtained, yield 44.8 gms, mp 154-155° (from water); III is formed in quantitative yields when the anhydride (IV) or the imide (V) is refluxed with 10% NaOH. The heating of 4 gms III with 40 ml C<sub>6</sub>H<sub>6</sub> and 12 gms CH<sub>3</sub>COCl (2 hrs) gives IV, yield 97%, mp 167-168° (from benzene). A solution of 3.25 gms IV in 35 ml 28% aqueous NH<sub>3</sub> is heated (45 min, ~ 100°), the resulting amino acid is isolated, dried, and refluxed 2 hrs with 60 ml C<sub>6</sub>H<sub>6</sub> and 15 ml (CH<sub>3</sub>CO)<sub>2</sub>O; 1.8 gms V are obtained,

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CZECHOSLOVAKIA/Organic Chemistry. Synthetic Organic Chemistry. G-2

Abs Jour: Referat Zhur-Khimiya, No 4, 1958, 11332.

mp 236-238° (decomp; from alcohol). The hydrogenation of the ester of III in abs CH<sub>3</sub>OH over 5% Pd/Al<sub>2</sub>O<sub>3</sub> gives the dimethyl ester of trans-hexahydrophthalic acid (VI-acid), yield 91.5%, bp 98-99°/0.8 mm. VI (NaOH solution) is obtained in yields of 73.2%, mp 160-162° (from water). Similarly V gives the imide of VI in quantitative yields, mp 187-188° (from CH<sub>3</sub>OH). The reduction of V by refluxing for 25 hrs with a large excess of LiAlH<sub>4</sub> in tetrahydrofuran gives trans-Δ<sup>6,7</sup>-octahydroisoquinoline (as the picrate), mp 161.5-162.5° (from water), and a base (VII), bp 91-92°/11mm, n<sup>20</sup>D 1.5031. The hydrogenation of the hydrochloride of VII in water over 5% Pd/Al<sub>2</sub>O<sub>3</sub> gives trans-decahydroisoquinoline (isolated as the picrate), mp 176.5-177.5° (corrected; from CH<sub>3</sub>OH);

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JAKUBÍNEK

JAN

## Dir. str.: 4E2c(1)

Hofmann degradation of quaternary bases and salts containing unsaturated alkyl groups. X. Thermal degradation of 1,1-dimethyl-2-methylenepyrrolidinium hydroxide. Rudolf Lukeš, Jiří Plíšek, and Jan Trojánek (Československá Akad. Věd, Prague). *Chem. Listy* 52, 1003-7 (1958); cf. C.A. 52, 137204. —The title compd. (I), obtained by letting stand 24 hrs. 214 g.  $\text{AgNO}_3$  and 85.8 g. 1,1-dimethyl-2-(bromomethyl)pyrrolidinium bromide in 1 l.  $\text{H}_2\text{O}$ , gives picrate, m. 289° ( $\text{H}_2\text{O}$ ); an aq. soln. of I heated in oil bath, the distillate (300 ml.) passing between 170 and 250° (bath temp.) neutralized with 6.55*N* HCl (40.5 ml.), the neutral CO compds. (0.8 g.) removed by steam distn., the residue evapd. to dryness *in vacuo*, dissolved in 200 ml.  $\text{H}_2\text{O}$ , decolorized with C, and worked up as usual gives  $\text{Me}_2\text{NH}$ , characterized as 12.3 g.  $\rho\text{-MeC}_6\text{H}_4\text{SO}_3\text{NMe}_2$ , m. 81°, and 6.75 g.  $\text{MeC}_2\text{C}(\text{CH}_3)_2\text{NMe}_2$  (II), b. 140-4°. II (10.6 g.) gives with 15 g. MeI in 40 ml.  $\text{MeOH}$  13.2 g.  $\text{MeC}(\text{C}(\text{CH}_3)_2\text{NMe}_2)$  (III), m. 222° (decompn.) ( $\text{MeOH}$ ). III treated with fresh aq. suspension of  $\text{AgCl}$  at 40-50°, the ppt. filtered off, the filtrate evapd., and the resulting cryst. chloride hydrogenated over  $\text{PtO}_2$  gives  $\text{C}_6\text{H}_5\text{NMe}_2$ ; picrate, m. 94-6° ( $\text{EtOH}$ ). Adding dropwise 9.2 g. Br in 40% HBr to 6.4 g. II in 15 ml. 40% HBr and evapg. the mixt. *in situ* gives 12.7 g.  $\text{MeCBr}(\text{CBr}(\text{CH}_3)_2\text{NMe}_2)\text{HBr}$ , m. 165° ( $\text{EtOH}$ ,  $\text{Me}_2\text{CO}$ ). An analogous Br addn. takes place in the case of  $\text{MeC}(\text{CCH}_3\text{NMe}_2)$ , which yields 75%  $\text{MeCBr}(\text{CBr}(\text{CH}_3\text{NMe}_2)\text{HBr}$ , m. 187° ( $\text{EtOH}$ ). Products of thermal degradation of I septd. and the basic portion hydrogenated over  $\text{PtO}_2$  give  $\text{C}_6\text{H}_5\text{NMe}_2$ , characterized as picrate, m. 100°, without a trace of other products, thus proving that  $\text{NHMe}_2$  and the CO compds. are formed already during the thermal degradation and not during the subsequent isolation procedure. Reaction mechanisms are discussed.

L. J. Urbanek

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2942(13) 5

**1-Methylpyrrole reduction products.** R. Lukes, J. Plešek, and I. Trojánek (Vysoká škola chem. technol., Prague). *Collection Czechoslov. Chem. Commun.* 24, 1987-92 (1989) (in German).—One of the higher boiling 1-methyl-1'-methyl-2'-pyrrolidyl-Δ<sup>2</sup>-pyrrolines (I). One of the alk. degradation products of *cuscohygrine* (Hess and Fink, *C.A.* 14, 3239) is presumably also identical with I. Hydrogenating on PtO<sub>2</sub> 1 g. of the C<sub>14</sub>H<sub>16</sub>N<sub>2</sub> mixt. (*C.A.* 48, 12732d) in aq. HCl, adding with agitation 10 g. PhSO<sub>3</sub>Cl followed by 10% NaOH to the alk. reaction, heating 2 hrs. to 60–80°, steam-distg., titrating the distillate with 1*N* HCl (36% consumption), filtering with C, and evapg. gave a cryst. HCl-salt, from which a cryst. picrate mixt. was prep'd. as usual. Systematic crystn. gave 450 mg. 1-methyl-3-(1'-methyl-2'-pyrrolidyl)pyrrolidine (II) *dipicrate A*, m. 218–20°, leaflets and prisms (decompn.) (previous softening) (aq. EtOH and then H<sub>2</sub>O), and 100 mg. diastereomeric II *dipicrate B*, m. 193–5° (needles). Extg. the steam-distn. residue with Et<sub>2</sub>O, drying the exts. with K<sub>2</sub>CO<sub>3</sub>, and evapg. gave 898 mg. oil which was chromatographed on 30 g. basic Al<sub>2</sub>O<sub>3</sub> (activity IV). The C<sub>14</sub>H<sub>16</sub> fraction gave 601 mg. oil, b<sub>1</sub> 210–20° (bath temp.), probably the PhSO<sub>3</sub> deriv. of 1-methylamino-4-(1'-methyl-3'-pyrrolidyl)butane. Adding in 10 min. at 60° 50 g. N-methylsuccinimide dissolved in 100 ml. warm PhMe to a warm, clear soln. prep'd. from 60 g. 2-methyl-2-hexanol, 13 g. NaOH, and 300 ml. boiling PhMe, gave a green ppt. Stirring the mixt. 1 hr. without heating, keeping overnight,

adding 20 ml. H<sub>2</sub>O and 50 ml. concd. aq. HCl, filtering the ptd. NaCl, extg. the NaCl and the aq. layer of the filtrate with CHCl<sub>3</sub>, combining the CHCl<sub>3</sub> exts. with the PhMe layer of the filtrate, evapg., and crystg. the reddish residue from C<sub>6</sub>H<sub>6</sub> and then H<sub>2</sub>O (with C) gave 30 g. 1-methyl-2,5-dioxo-3,2'-dehydro-3-(1'-methyl-5'-oxo-2'-pyrrolidyl)pyrrolidine (III), needles, m. 184–5° (prepris. of III on a larger scale gave lower yields). Refluxing 24 hrs. 5 g. III with 30 ml. concd. HCl, evapg., esterifying the residue 2 hrs. with 50 ml. methanolic HCl, evapg., dilg. the residue with H<sub>2</sub>O, extg. with Et<sub>2</sub>O, drying the exts., and evapg. gave 2 g. di-Me hydrochelidonate, m. 55–6°, which on hydrolysis with concd. HCl at the boil yielded hydrochelidonic acid, m. 141–2°. Hydrogenating 5.6 g. III in 500 ml. H<sub>2</sub>O at 80° in the presence of 1 g. 5% Pd/Al<sub>2</sub>O<sub>3</sub> (H-uptake in 30 hrs. 75%), filtering off the catalyst, evapg. in vacuo to 30 ml., and collecting gave 4 g. 1-methyl-2,5-dioxo-3-(1'-methyl-5'-oxo-2'-pyrrolidyl)pyrrolidine (IV), prisms (H<sub>2</sub>O), m. 150–7° (from the mother liquors, 0.95 g. starting III was obtained). Placing 2.4 g. IV into a thimble of a Soxhlet extractor, reducing 20 hrs. with 1.5 g. LiAlH<sub>4</sub> in 250 ml. Et<sub>2</sub>O (with a reflux of 750 ml. Et<sub>2</sub>O/hr.), decoupg. the mixt., steam-distg., titrating the distillate with 0.1*N* HCl (consumption 86.5%), filtering with C, and evapg. gave the II *d-HCl salt* from which the II *dipicrate A*, m. 218–20° (decompn.; previous softening) (H<sub>2</sub>O), and the II *dimehtiodide*, m. 202–3° (MeOH), were obtained in quant. yield. JHE/Plm

LUKES, R.; PLIMPL, J.; TROJANEK, J.

Hofmann degradation of quaternary bases and salts containing unsaturated alkyl groups. X. Thermal splitting of 1,1-dimethyl-2-methylene pyrrolidinium hydroxide, In German. Coll.Cz.Chem. 24 no.9:3109-3114 S '59.

(EEAI 9:5)

1. Laboratorium fur heterocyclische Verbindungen, Tschechoslowakische Akademie der Wissenschaften, Prag. 2. Institut fur allgemeine experimentelle organische Chemie, Technische Hochschule fur Chemie, Prag.  
(Degradation) (Bases) (Salts) (Unsaturated compounds)  
(Dimethylmethylenepyrrolidinium hydroxide) (Quaternary compounds)

TROJANEK, J.; STROUF, O.; KAVKOVA, K.; CEKAN, Z.

Alkaloids. III. New alkaloids from Vinca minor L. evergreen. Coll Cz  
Chem 25 no.8:2045-2048 Ag '60. (EEAI 10:9)

1. Forschungsinstitut fur Heilpflanzen, Prag.

(Alkaloids) (Vinca minor) (Evergreens)

SCHWARZ, V.; TROJANEK, J.

Steroid derivatives. VIII. Quantitative determination of double bonding in some steroid compounds. Coll Cz chem 26 no.1:117-125 Ja '61. (EEAI 10:9)

1. Forschungsinstitut fur Natur-Arzneimittel, Prag.

(Steroids)

TROJANEK, J.; POSPISEK, J.; CEKAN, Z.

Alkyl derivates of stereoisomers of 2-aminocamphane. Coll Cz Chem 26  
no.10:2602-2611 O '61.

1. Forschungsinstitut fur Naturarzneimittel, Prag.  
*Research Inst. for Natural Medicines*

SEMONSKY, M.: BERAN, M: MACEK, K.

Ergot alkaloids. XI. Isolation of penniclavine from the rye ergot.

p. 1725 (Chemicke Listy) Vol 51, no. 9, Sept. 1957. Praha, Czechoslovakia.

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, no. 1, Jan. 1958

TROJANEK, J.; KAVKOVA, K.; STROUF, O.; CEKAN, Z.

On alkaloids. IV. Isolation of vincin, a new alkaloid, from Vinca  
minor L. Coll Cz Chem 26 no.3:867-873 Mr '61.  
(EEAI 10:9)

1. Forschungsinstitut fur Natur-Arzneimittel, Prag.

(Vinca minor) (Alkaloids)

CZECHOSLOVAKIA

TROLLINEK, J., Research Institute of Natural Drugs, Prague,  
(Vyzkumný ústav přírodních léciv, Praha.)

"Recent Discoveries Concerning Alkaloids of the Group Vinca  
and Cetharanthus."

Prague, Československá Farmacie, Vol 11, No 10, Dec 62, pp 508-  
516.

Abstract: Dimeric indol alkaloids from plants of the Apocynaceae group. Main interest was devoted to those from Vinca Minor, Vinca Major and Cetharanthus Roseus. 8 alkaloids were isolated from Vinca Minor. Their physical, chemical and some pharmacological properties are given. Structural formulas of 2 of these are shown. 3 alkaloids were isolated from Cetharanthus Roseus. Their physical, chemical and some pharmacological properties are given. Some of the above described alkaloids seem promising in the treatment of cancer.

36 structural formulas are given. 144 references, 78 Western,

1/2

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Praha, Ceskoslovenska Farmacie, Vol 11, No 10, Dec 62, pp 506-518.

26 Czech, 6 Indian, 3 Japanese, 7 Russian, 24 Eastern European.

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Poz stavby 11 no.3:135-138 '63.

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(for Sobotka).
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SO: Monthly List of East European Acquisitions. (EEL, LC, Vol 4, No. 6, June 1955, <sup>b</sup>ncl.

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1. Građevinski fakultet Univerziteta u Beogradu.

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Position of the resultant caused by the symmetrical change of conditions in a symmetrically fixed arch, determined by applying the principles of minimum work. ~~Pravilnik Jug 17~~ no.7;Suppl.; Građevinarstvo 16 no.7;1283-1284 Jl '62.

1. Redovni profesor Građevinskog fakulteta Univerziteta u Beogradu,

MOUREK, J.; PROZKOVÁ, V.; SLAVICEK, J.; TROJANOVA, M.

Some problems of oxidative metabolism of the nervous system  
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no. 2:128-129 '65

1. Physiological Institute, Faculty of General Medicine, Charles  
University, Prague. 2. J.Mourek's address: Praha 2, Albertov 2.

TROJANOVA, M. (Praha 2, Albertov 5)

The effect of thyroidectomy in the early ontogenesis on cerebral  
tissue respiration in rats. Activ. nerv. sup. (Praha) 7 no.2:  
137-138 '65

1. Physiological Institute, Faculty of General Medicine.  
Charles University, Prague.

L 12964-66

ACC NR: AF6005629

SOURCE CODE: CZ/0079/65/007/002/0128/0129

AUTHOR: Mourek, J.; Pruzkova, V.; Slavicek, J.; Trojanova, M.

ORG: Physiological Institute, Faculty of General Medicine, Charles University, B  
Prague

TITLE: Some aspects of oxidative metabolism of the nervous system in ontogenesis of mammals [This paper was presented at the Third Interdisciplinary Conference on Experimental and Clinical Study of Higher Nervous Functions held in Marianske Lazne from 19 to 23 October 1964.]

SOURCE: Activitas nervosa superior, v. 7, no. 2, 1965, 128-129

TOPIC TAGS: biologic metabolism, experiment animal, nervous system, phosphorylation, hypoxia, anoxia, biochemistry

ABSTRACT: New-born and very young animals are more resistant to all forms of oxygen deficiency than adult animals. The younger the animal, the greater the possible reduction of oxygen consumption. In young rats, a 70-80% decrease is possible. Oxidation releases biologically utilizable energy. The resistance of new-born animals to hypoxia is probably due to a high glycolytic activity of brain tissue during hypoxia or anoxia. Oxidative phosphorylation in the mammal brain depends on glucose, and administration of glucose protects adult rats from oxygen deficiency; in new-born rats this does not occur because there is already enough lactate and acetacetic acid present to provide this protection.

29

B

Card 1/2

L 12964-66

ACC NR: AP6005629

This acid decreases oxygen consumption in adult rats. JPRS 10

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 009 / OTH REF: 006  
SOV REF: 001

Card 2/2 HW

L 12936-66

ACC NR: AP6005632

SOURCE CODE: CZ/0079/65/007/002/0137/0138

12B

AUTHOR: Trojanova, M.

ORG: Physiological Institute, Faculty of General Medicine, Charles University, Prague  
TITLE: Effect of thyroidectomy in early ontogenesis on cerebral tissue respiration  
in rats [This paper was presented at the Third Interdisciplinary Conference on  
Experimental and Clinical Study of Higher Nervous Functions held in Marianske Lazne  
from 19 to 23 October 1964.]

SOURCE: Activitas nervosa superior, v. 7, no. 2, 1965, 137-138

TOPIC TAGS: thyroid gland, rat, brain, biologic metabolism, hypothermia

ABSTRACT: Complete extirpation of the thyroid gland was performed on  
5-day-old rats; oxygen consumption was determined in cerebral  
and subcortex slices. Results were compared to those obtained  
with control rats, and rats that were subjected to a short period  
of hypothermia in their 5th day of life. Thyroid afunction retarded  
the somatic development to the 28th day of life. Rats without the  
thyroid gland showed lower, and those that were subjected to hypo-  
thormia higher oxygen consumption than the controls. Differences  
appear only after the rats are weaned; up to then they receive  
enough triiodothyronine in mother's milk. Lower oxygen consumption  
in brain slices appears, however, as early as the 10th day. Orig. art. has:  
1 figure. [JPRS]SUB CODE: 06 / SUEM DATE: none / ORIG REF: 002 / OTH REF: 001  
Card 1/1 HU

TROJANOVIC, M. S.

H

YUGOSLAVIA/Chemical Technology. Chemical Products and Their  
Application. Ceramics. Glass. Binding Materials.  
Concrete.

Abs Jour: Ref Zhur-Khim., No 10, 1959, 35796.

Author : Trojanovic, M. S.

Inst : \_\_\_\_\_

Title : Problems in the Technology of Concrete.

Orig Pub: Izgradnja, 12, No 5-6, 1-13; No 7, 9-21 (1958)  
(in Serbo-Croat)

Abstract: The author reviews the history of research on the strength of concrete. General data are presented on the required degree of uniformity and the strength of concrete. The author discusses questions pertaining to the determination of the opti-

Card : 1/2

H - 69

CZECHOSLOVAKIA

TROJANOVA, M., HOUREK, J., MALKOVA, J.; Physiological Institute,  
Faculty of General Medicine, Charles University (Fyziologicky  
Ustav Fak. Vseob. Lek UK), Prague.

"The Importance of Glucose, Lactate and Acetoacetic Acid Injected  
Intraperitoneally on Resistance of Rats of Different Ages to  
Nitrogen and Stagnant Anoxia."

Prague, Ceskoslovenska Fisiologie, Vol 15, No 2, Feb 66, p 113

Abstract: Rats 5, 10, 14 and 20 days old were used in the  
experiments. With increasing age protective action of glucose  
increases; at 5 days it was not yet apparent. Lactate and  
acetoacetic acid protect the youngest rats the best; their  
influence is no longer noticeable in 20 day old rats. Mono-  
iodoacetic acid destroys the protective action of acetoacetic  
acid in 5 day old rats. 4 Czech references. Submitted at  
"16 Days of Physiology" at Olomouc, 30 May 65.

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MIETKIEWSKI, Kazimierz; TWARDOSZ, Wladyslaw; TROJANOWICZ, Roman

Experimental studies on the prostate gland in dogs. Acta med.  
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1. Department of Normal Histology and Embryology, Medical  
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JANICKI, Jozef; KAMINSKI, Edward; NIEWIAROWICZ, Adam; TROJANOWSKA,  
Krystyna.

Differences in the amino acid composition of varieties of  
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Studies on the effect of putrefaction on the recovery of alkaloids from  
corpses. Acta pol. pharm. 19 no.5:453-458 '62.

1. z Zakladu Medycyny Sadowej Akademii Medycznej w Lublinie Kierownik:  
prof. dr W. Dzulynski.  
(CADAVER) (ATROPINE) (COCAINE) (MORPHINE)  
(STRYCHNINE)

TROJANOWSKA, Mieczyslawa

Effect of the content of reducing substances on the putrefying  
cadaveric blood and "endogenous" alcohol. Acta Pol. pharm. 22  
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ZAWISLAK, J.

Clinical results of the use of dextran produced in Poland  
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1942 1956.

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doc. dr. med. A. Trojanowski. Warszawa, ul. Chocimska 5.  
Instytut Hematologii.

(DEXTRAN, ther. use  
comparison of Polish prep. with foreign products (Pol))

TROJANOWSKI, A.

GMURZYNKI, Z. TROJANOWSKI, A.

Clinical experience with dextran administration. Polski  
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1. (Z Dzialu Metodyczno-Organizacyjnego Instytutu Hematologii;  
Kierownik Dzialu: dr. J. Sablinski). Adres: Warszawa, Instytut  
Hematologii, ul. Chocimska 5.  
(DEXTRAN, ther. use  
indic. & contraindic. (Pol))

TROJANOWSKI, Andrzej; DZIACZKOWSKI, Igor

No translation. Polski przegl. chir. 30 no.5:595-598 May 58.

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(BILE DUCT, COMMON, surgery,  
choledochotomy, primary suture (Pol))

TROJANOWSKI, A.

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PRZELAD ODLEWNICTWA. (Stowarzyszenie Techniczne Oldewinkow Polskich)  
Krakow, Poland. Vol.9, no.3, Mar. 1959

Monthly List of East European Accessions Index, (EEAI) LC, Vol.8, no.6, June 1959  
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Surgical problems in splenectomy. Polskie arch. med. wewn. 29 no.3: 321-326 1959.

Z Oddzialu Chirurgicznego Instytutu Hematologii w Warszawie Kierownik: doc. dr med. A. Trojanowski. Adres autora: Warszawa, ul. Chocimska 5, Instytut Hematologii.

(SPLEEN, surgery,  
excis., surg. aspects (Pol))

REKWART, Stefan; NASILOWSKI, Wieslaw; OLESINSKI, Wladyslaw; PRASZALOWICZ,  
Bronislaw; TROJANOWSKI, Andrzej

Experiences with splenectomy in hematological indications. Polskie  
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1. Z Oddzialu Chirurgicznego Instytut Hematologii w Warszawie Dyrektor:  
doc. dr med. A. Trojanowski. Adres aytira: Warszawa, ul. Chocimska 5,  
Instytut Hematologii

(SPLEEN, surgery,  
excise. in blood dis. (Pol))  
(BLOOD DISEASES, surgery,  
splenectomy (Pol))

SZCZEPANSKI, Maciej; TROJANOWSKI, Andrzej; PAWLIKOWSKI, Jan

Surgical interventions on the sphincter of Oddi. Polski przegl.  
chir. 33 no.1:49-61 '61.

1. Z Oddzialu Chirurgicznego Inst. Hematologii w Warszawie. Kierownik:  
doc. dr A. Trojanowski i z Pracowni Radiologicznej Inst. Hematologii  
w Warszawie Kierownik: doc. dr J. Zabokrzycki.

(BILE DUCTS surg)

TROJANOWSKI, Andrzej; PLEWINSKI, Gustaw

Anti-emetic effect of hydroxyzine in burns. Pol. tyg. lek.  
18 no. 6:218-220 4 F '63.

l. Z Oddzialu Leczenia Oparzen Instytutu Hematologii; kierownik  
Oddzialu i Dyrektor Instytutu: doc. dr med. Andrzej Trojanowski.  
(HYDROXYZINE) (BURNS) (ANTIEMETICS)

TROJANOWSKI, Andrzej; PLEWINSKI, Gustaw

Use of nialamid in surgery. Polski tygod. lek. 16 no.14:530-533  
3 Ap '61.

1. Z Kliniki Chirurgicznej Instytutu Hematologii; kierownik: doc. dr  
med. A. Trojanowski.

(IPRONIAZID rel cpds) (PAIN ther)

LAWKOWICZ, Włodzimierz; TROJANOWSKI, Andrzej

10 years of activities of the Institute of Hematology. Polski tygod.

lek. 16 no.33:1261-1262 14 Ag '61.

(HEMATOLOGY)

TROJANOWSKI, Andrzej; PLEWINSKI, Gustaw

Dosulfan therapy of some complications in surgical patients. Polski  
tygod. lek. 16 no.35:1355-1358 28 Ag '61.

l. Z Kliniki Chirurgicznej Instytutu Hematologii; kierownik: doc. dr  
med. A. Trojanowski.

(SULFONAMIDES ther) (SURGERY OPERATIVE compl)

TROJANOWSKI, A.; PLEWINSKI, G.

The use of hydroxyzine to control vomiting in burns. Acta chir.  
plast. 4 no.4:295-298 '62.

1. Burns Unit of the Haematological Institute, Warsaw (Poland)  
Director: Doc. A. Trojanowski, M.D.  
(BURNS) (VOMITING) (HYDROXYZINE)

POLAND

TROJANOWSKI, Andrzej and PLEWINSKI, Gustaw; Department of Burn Treatment (Oddzial Leczenia Oparzen), Institute of Hematology (Instytut Hematologii), Head of the Department and Director of the Institute: Docent Dr Med Andrzej TROJANOWSKI

"Antiemetic Effects of Hydroxysine in Burned Patients"

Warsaw, Polski Tygodnik Lekarski, Vol XVIII, No 6, 4 Feb 1963, pp 218-220

Abstract: Author's English summary modified Hydroxysine Atarax-Pfizer was given 152 times to 32 burned patients to prevent or stop vomiting. A single dose of hydroxysine was of 100 mg. The drug had no effect only 6 times. The only side effect was dryness of the mouth reported by half of the patients. Hydroxysine is an effective and safe anti-emetic drug. Its other properties, i.e. sedative antineurologic, antispasmodic, anticholinergic, etc effects are

1/2

TROJANOWSKI, Andrzej; DAROCHA, Tadeusz

Differentiation of jaundice according to free and bound  
bilirubin. Pol. przegl. chir. 35 no.7/8:739-741 '63.

1. Z Oddziału Chirurgicznego Instytutu Hematologii w Warszawie

Ordynator: doc. dr A. Trojanowski.

(JAUNDICE) (BILIRUBIN)

(DIAGNOSIS, DIFFERENTIAL)

(CHROMATOGRAPHY)

DAROCHA, Tadeusz; ZGORZELSKI, Stanislaw; TROJANOWSKI, Andrzej

Intrahepatic stasis jaundice as a postmedication complication.  
Pol. przegl. chir. 35 no.7/8:750-751 '63.

1. Z Oddzialu Chirurgicznego Instytutu Hematologii w Warszawie  
Ordynator i dyrektor: doc. dr A. Trojanowski Ordynator  
Oddzialu V.Szpitala Zakaznego Nr 1: dr J. May.

(MEPROBAMATE) (TESTOSTERONE)

(JAUNDICE, OBSTRUCTIVE)

(BILE DUCTS, INTRAHEPATIC)

(HYPERBILIRUBINEMIA)